

RECEIVED

DEC 27 1999

Group 2100

Sub
C1

information storing means for storing contents and attribute information of an information object to be shown, the attribute information being concerned with showing the information object and including object ID, object type, information type, priority for showing, time stamp, object ID of link-destination object and object ID of a next object which are able to be modified after being created as an information object;

B

drawing means for showing the information object [on a window] in accordance with the contents and attribute information stored in said information storing means;

event analyzing means for analyzing all the events from an operation system and reporting a result of the analysis;

message transmitting means for transmitting a control message to an external application program in order to get a selected information in the external application program; and

application executing means for performing at least any one of processes including a process of controlling said information storing means for storing the contents and the attribute information of the information object, a process of controlling said message transmitting means [fur] for transmitting the control message to an external application program and a process of controlling said drawing means for showing the information object, in accordance with the result of the analysis reported from said event analyzing means[;],

wherein in case that any information in an external application program has been selected and an event for obtaining the selected information has been analyzed by said event

BT Sub
CL
analyzing means, the selected information is created as an information object so as to be shown
on the window by said drawing means.

B2 Sub
C2
17. (TWICE AMENDED) A computer memory product storing a computer program
for obtaining information from an external application program and showing the obtained
information as an information object, said computer program comprising the steps of:

analyzing an event for selecting information to be obtained from an external application
program;

obtaining information from the external application program in accordance with the
result of the analysis;

creating an information object in accordance with the obtained information and attribute
information, the attribute information including object ID, object type, information type,
priority for showing, time stamp, object ID of link-destination object and object ID of a next
object, which are able to be modified after being created as an information object; and

showing the created information object [on a window] in accordance with information
type and contents.

RECEIVED
DEC 27 1995
Group 700

21. (TWICE AMENDED) A computer memory product having computer readable program code means capable of reading by a computer for obtaining information from an external application program and showing the obtained information as an information object, said computer readable program code means comprising:

program code means for causing the computer to analyze an event for selecting information to be obtained from an external application program;

program code means for causing the computer to obtain information from the external application program in accordance with the result of the analysis;

program code means for causing the computer to create an information object in accordance with the obtained information and attribute information, the attribute information including object ID, object type, information type, priority for showing, time stamp, object ID of link-destination object and object ID of a next object, which are able to be modified after being created as an information object; and

program code means for causing the computer to display the created information object [on a window] in accordance with information type and contents.